



February 14, 2012

CREST PRECAST, INC.
STEVE MADER
609 KISTLER DR
LA CRESCENT MN 55947-1721

Re: **Description:** **SEWAGE TREATMENT APPARATUS & TANK SYSTEM [SEE STA -SEWAGE TREATMENT APPARATUS] ***
Manufacturer: CREST PRECAST, INC.
Product Name: BIO-MICROBICS MICROFAST 4.5 OR HIGH STRENGTH FAST 4.5
Model Number(s): 4500 MICROFAST 4.5 OR HIGH STRENGTH FAST 4.5

[TREATMENT DEVICE INSERTED INTO THIS 4500 GAL. SEPTIC TANK]

Product File No: 20110382

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of JUNE 2018.**

This approval is contingent upon compliance with the following stipulation(s):

- This product is approved to use a department approved effluent filter installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.
- This product is approved to use the following:
 - Press Seal "Cast-A-Seal" gaskets
 - Dual or triple inlets at end of tank with one access or multiple openings above each inlet.
 - Dual or triple outlets end of tank with one access or multiple openings above each outlet.
 - Department approved effluent filter installed in accordance with the product approval for the filter including a properly sized and located access opening for service and maintenance.
 - Tuf-Tite manhole risers and covers.
 - Bottom and side pipe openings for siphon, pump and holding tanks.
 - Six inch inlet and outlet openings.
- This product is approved to use "Cast-A-Seal" mechanical adapters for all pipe connections.
- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- This product must be installed in accordance with the manufacturer's printed instructions, product approval and the plan approval. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval will take precedence.

- Bedding: Tanks must be placed on soils capable of bearing the weight of tank and its contents, when full. Soft soils or bedrock must have 3 inches of tamped material, sand or gravel, 100% of which passes ½ -inch screen.
- **Also refer to the department's product approval stipulations for the sewage treatment apparatus, which may include: maximum daily wastewater flow, influent strength, maximum BOD5, and maintenance intervals.**
- Each tank that is utilized in the installation of this product must pass a water tightness test after installation. The water tightness test must comply with s. DSPS 84.25 (2) of the Wis. Adm. Code.
- This approval remains in effect while the BIO-MICROBICS FAST units as listed above have current approvals.
- **For treatment credits in residential and commercial POWTS designs, see stipulations regarding max. BOD5, DWF, approved effluent filters, etc. contained in approval letters for BIO-MICROBICS MICRO-FAST 4.5 AND HighStrength FAST 4.5.**
- **BACKFILL: Sidewall-backfill must consist of material 100% of which will pass through a 2-in. screen and be made up of dry soil, sand or gravel. A minimum (avg.) of 12 inches on all sides of the tank from base to top is recommended. No parallel backfilling or compaction along the sidewalls is recommended. No wheel-tracking or track loading on sidewalls is recommended. Cover-backfill up to 7-feet of loading must be dry and pass through 4-inch screen.**

This approval supersedes the approval issued on 4/07/2008 under product file number 20080123.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20080123.

As of May 15, 2008, a copy of a successful water tightness test report for this product must be AVAILABLE FOR INSPECTION AT THE MANUFACTURER'S PLANT prior to this product being used as a POWTS holding or treatment tank in Wisconsin.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

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